

AEP System Total: Inventory for 2018

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2018 Coal Burn 67,065,706,000 pounds

AEP System Total Estimated TRI Releases for 2018 (Pounds)					
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	68	(a)	21,535	(a)	21,603
Arsenic	550	923	154,800	75,466	231,739
Barium	3,093	27,081	4,733,956	514,544	5,278,675
Beryllium	28	(a)	19,092	7,900	27,020
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	2,969	152	300,435	323,724	627,280
Cobalt	1,035	219	115,570	42,000	158,824
Copper	1,550	982	435,145	178,920	616,598
Lead	1,008	99	177,061	53,820	231,989
Manganese	3,881	40,648	1,086,355	162,580	1,293,464
Mercury	408	7	3,800	735	4,950
Nickel	4,055	790	268,635	178,650	452,130
Selenium	6,600	319	18,202	19,055	44,176
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	17	0	39,505	(a)	39,522
Vanadium	1,758	0	690,555	200,000	892,313
Zinc	10,069	842	426,696	130,000	567,608
Hydrochloric Acid Aerosol	285,970	(b)	(b)	(b)	285,970
Hydrogen Fluoride	558,700	(a)	(a)	(a)	558,700
Sulfuric Acid Aerosol	1,314,090	(b)	(b)	(b)	1,314,090
Ammonia	31,485	50,040	(a)	(a)	81,525
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	1	(a)	(a)	(a)	1
PACs	18	(a)	(a)	(a)	18
Dioxins (grams)	8	(a)	(a)	(a)	8
Dioxins (ounces)	(a)	(a)	(a)	(a)	(a)
Dioxins (ounces TEQ) (c)	(a)	(a)	(a)	(a)	(a)
Totals (a)(b)(d)(e)(f)(g)	Air 2,227,361	Water 122,105	On-site Land 8,491,344	Off-site Transfer 1,887,395	Total 12,728,204

- Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.
(b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.
(c) Toxic equivalent; see AEP.Com for further explanation.
(d) AEP System TRI reportable numbers include 129; 264; 151 and 95 megawatts of generation capacity owned by others at Conesville, Flint Creek, Oklaunion and Pirkey power plants, respectively. Numbers do not include 262 megawatts of generation at Dolet Hills power plant (located in Louisiana, 650 megawatts total) owned by AEP and operated by CLECO.
(e) U.S. EPA reporting rules require that the Conesville coal preparation plant be combined with the Conesville power plant as a single reporting facility.
(f) Off-site Transfer includes quantities of the chemical substance sent off-site for disposal.
(g) AEP owns and operates sixteen power plants in Arkansas, Indiana, Louisiana, Ohio, Oklahoma, Texas and West Virginia that are primarily fueled by natural gas. Of these, none met the requirements to report TRI releases in 2018.